

What is claimed is:

1. An axial air-gap vibration motor comprising:

a printed wiring board wherein a commutator is disposed on a first surface; a resin shaft holder is integrally formed on a second surface; one sintered-oil impregnated bearing is contained in this shaft holder; and further, a plurality of air-core armature coils having at least one winding-type air-core armature coil are eccentrically disposed outside such resin holder in the radial direction;

an eccentric rotor wherein an eccentric weight is disposed so as to not overlap at least one of said winding-type air-core armature coils and comprising a connection terminal part on the first side of said printed wiring board so as not to overlap with said air-core armature coils;

a shaft fixed beforehand by welding to a casing from the outside so that a first end thereof does not protrude from a housing;

a magnet for imparting a magnetic field to said eccentric rotor via an axial air gap;

a brush for imparting electric power to the air-core armature coils via said commutator; and

housing containing the aforementioned and comprising a casing and a bracket;

wherein:

said shaft, after the eccentric rotor is rotatably mounted at the second end, is received by said bracket, preventing movement in the radial direction.

2. An axial air-gap vibration motor according to claim 1, wherein a step portion is formed in said case so that the first end of said shaft does not protrude from the housing, and this step portion and the first end of the shaft are laser welded.

3. An axial air-gap vibration motor according to claim 1, wherein the second end of said shaft is laser welded to the bracket from the outside.